



Universidad Tecnológica de Tijuana

**TSU. in Information Technologies in Virtual Environments and
Digital Business**

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Assignment:

“ Frameworks and web development“

Activity:

“Front-End Development Process “

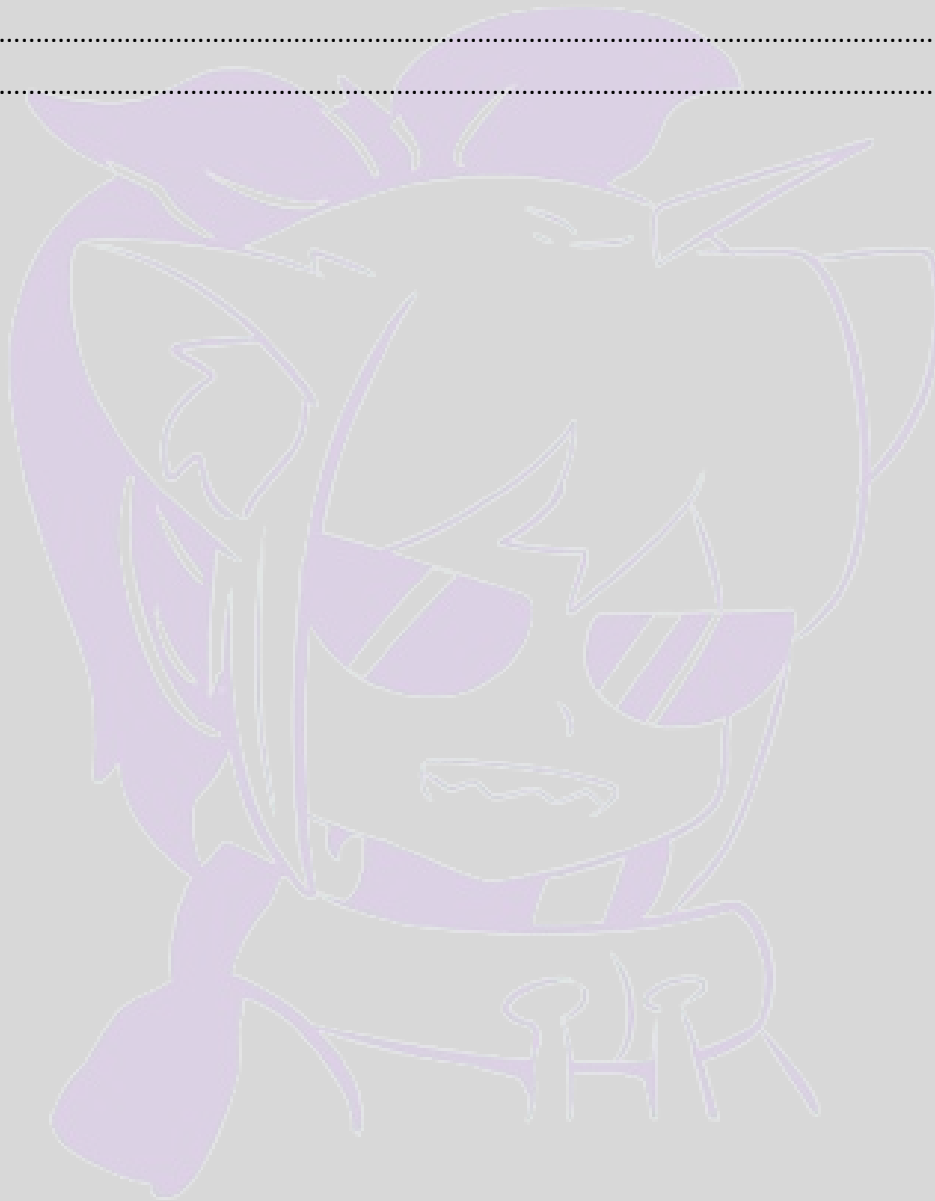
Group: 4°F

Date Realization:

“09/01/2024“

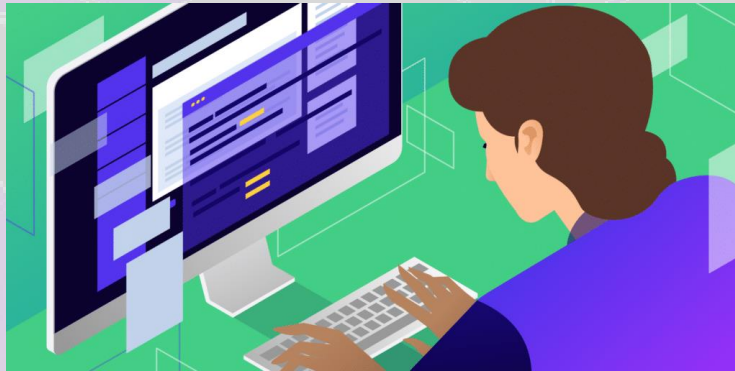
Content

Front-End development process	3
¿What is?	3
Front-end proccess	3
Conclusion:	5
Bibliografía	6



Front-End development process

¿What is?



Front-end development refers to the creation and design of the user interface of an application or website. It is the part of web development that focuses on user interaction and the visual presentation of content

Front-end proccess

Planning and Design:

It starts with understanding the project requirements and creating a user interface (UI) design. Navigation structures are defined and wireframes or mockups are created to visualize the arrangement of the elements in the interface.



HTML (Hypertext Markup Language):

The basic structure of the web page is defined using HTML.

HTML tags are created to organize and represent information on the page.

CSS (Cascading Style Sheets):

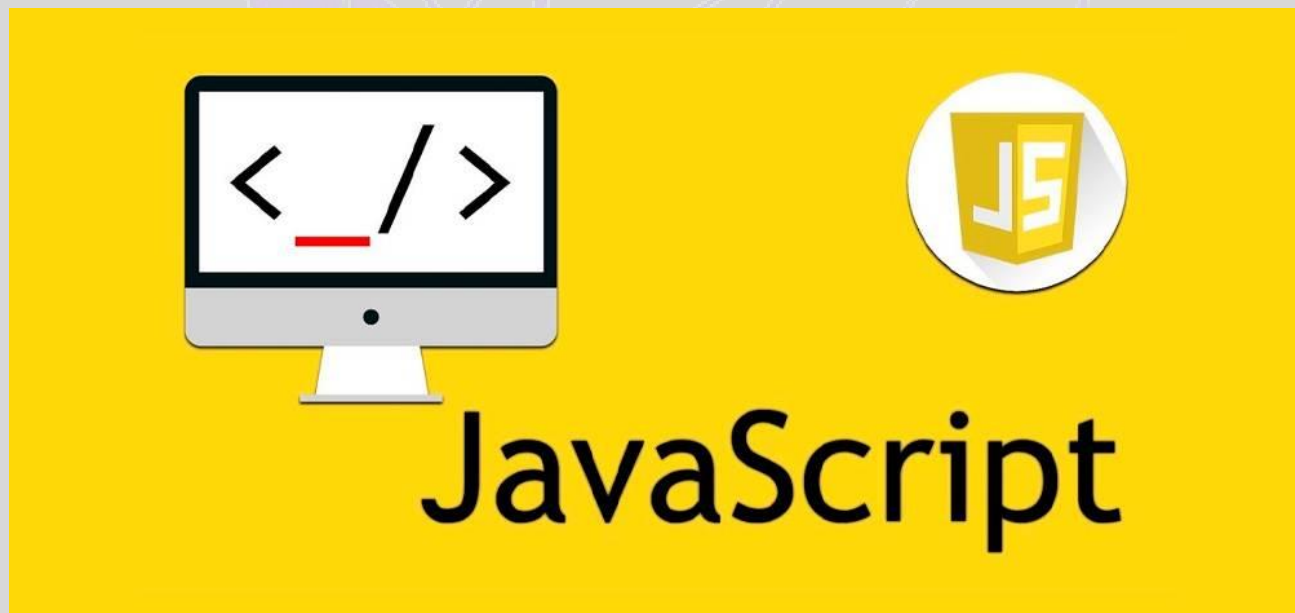
The visual style is applied to the HTML structure using CSS.

Style rules are defined to control the appearance of elements, such as colors, fonts, margins, and more.

JavaScript:

JavaScript is used to add interactivity and dynamism to the user interface.


It can include form validation, visual effects, animations, and DOM (Document Object Model) manipulation.



Frameworks and Libraries:

Front-end frameworks and libraries, such as React, Angular or Vue.js, can be used to facilitate development and improve the code structure.

Adaptability and Responsive Design:



It makes sure that the interface is compatible with different devices and screen sizes through responsive design.

Evidence:

Performance, compatibility and usability tests are carried out on different browsers and devices.

Optimization:

Code and resources are optimized to improve the performance of the application or website.

Integration with Backend:

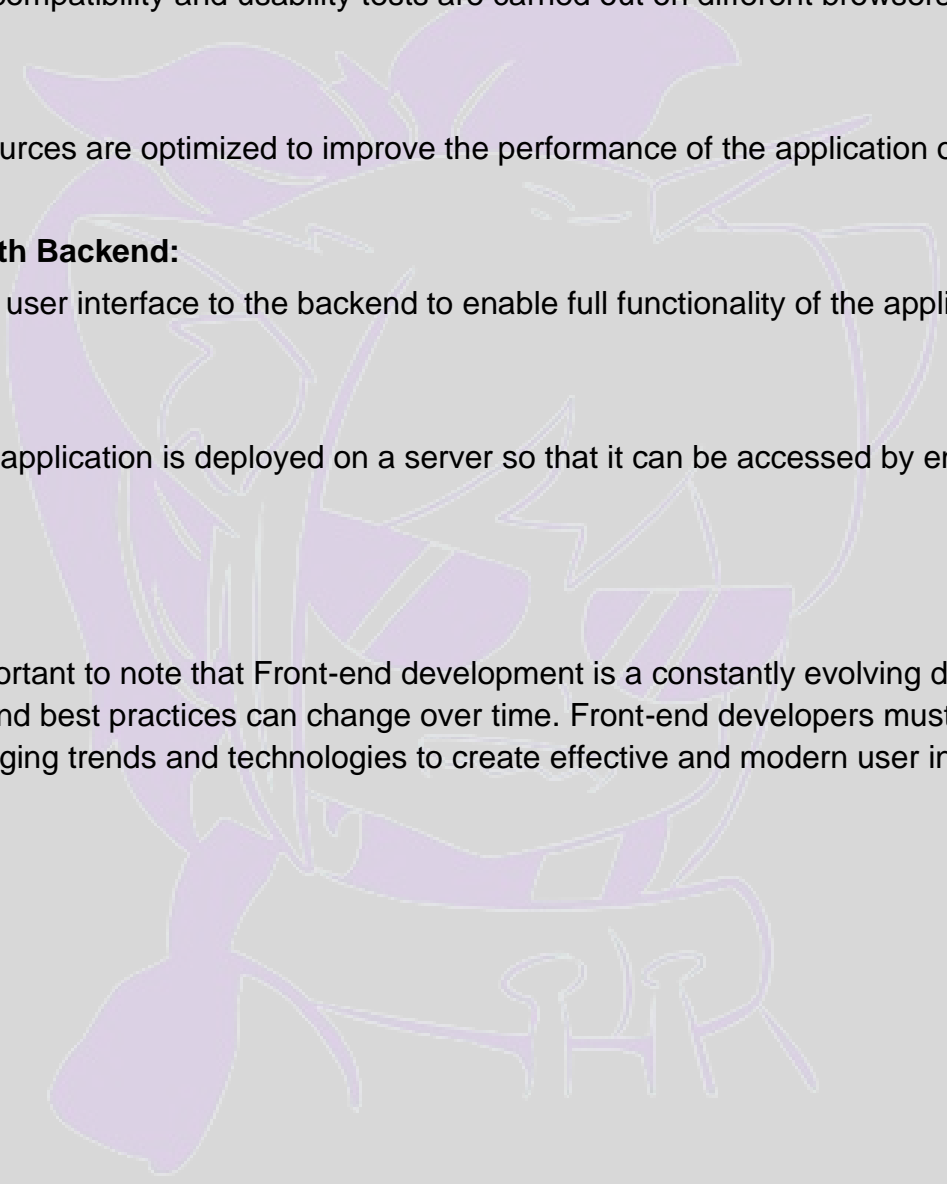
It connects the user interface to the backend to enable full functionality of the application.

Deployment:

The Front-end application is deployed on a server so that it can be accessed by end users.

Conclusion:

It is important to note that Front-end development is a constantly evolving discipline, as technologies and best practices can change over time. Front-end developers must stay up to date with emerging trends and technologies to create effective and modern user interfaces.



Bibliografía

Duckett, J. (s.f.). HTML and CSS: Design and Build Websites.

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